

BVES Conclave Meeting 2019

What is the energy system like in 2030? What are the benefits that energy storage can add to the future energy system? What are the necessary steps towards a green and moreover safe and secure energy system?

With these key questions in mind, the BVES e.V. the German Energy Storage and-systems Association started into his annual conclave meeting in Wilsdruff/Dresden.

One result of the meeting is the following thesis. It describes how we can achieve a decarbonized energy system and, at the same time, preserve stability and safety of energy supply. The key factor for success is the fast integration of energy storage technologies into the system.

THE ENERGY SYSTEM 2030 – Decarbonized, safe and secure.

1. EEG: The EEG is **no longer the main legal basis** for the energy system in 2030.
2. CO₂ price: **Polluter-linked CO₂ prices** apply in all sectors.
3. **Storage is the 4th pillar** in the energy system next to generation, transport and consumption.
4. **Transparent energy sectors:** There are no longer system boundaries between the electricity, heat and mobility sector. They are composing a unified energy system instead.
5. **NOBE - Network Optimization Before Expansion:** Competition and transparency determine network expansion, costs are optimized by alternative flexibilities such as energy storage.
6. The energy regulations **end at the grid transfer point:** The citizen (prosumer / industry) decides whether and how he/she dimensions and operates his/her own energy and heat supply.
7. **Time variable prices for power (kW) and energy (kWh):** Power (kW) is an essential element of pricing for the end user.
8. **Energy system services are in the market:** All energy system services and other system-relevant services are transparently priced and traded.
9. Energy, power and system services are also traded **regionally and locally, dynamically and in an automated manner.**
10. Citizens form temporarily and easily **citizen energy communities** and trade energy freely and flexibly among themselves.

The thesis above states guidelines for the discussions in the working groups and steering committees of the BVES and will be completed with facts and figures. The outcomes are the backbone for advising politics, industries and other associations.